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ABSTRACT

This booklet provides information about scholarships, grants and loans available in New York State. Discussed are: (1) the types of regents scholarships, which include the Regents College Scholarship, the Regents Scholarship for Basic Professional Education in Nursing, and the Regents Scholarship at Cornell University; (2) how to apply for a Regents Scholarship and how financial need is determined; (3) the eligibility for, benefits of, and application for a Regents Child-of-Veteran Grant; (4) eligibility, application, and amount of Scholar Incentive Grants; (5) the Regents Scholarship and College Qualifications Test and sample questions of this test. (AF)

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Opening the Door to College Study

WHAT EVERY HIGH SCHOOL STUDENT NEEDS TO KNOW ABOUT REGENTS SCHOLARSHIPS AND SCHOLAR INCENTIVE AWARDS 1971

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Cover photograph Quadrangle, University of Rochester, by Ansel Adams

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Do you plan to go to college?

If you would like to go to college, you should become thoroughly familiar with the program of financial assistance for college study provided by the State of New York. No student should be discouraged for financial reasons from seeking the opportunities and advantages of a college education. Despite the high costs of colleges, there is now a wide range of financial assistance available from a variety of sources. The State of New York, in particular, is unique among all the States in the United States in its extensive program of aid to college students.

Why does the State of New York provide this help?

To put it simply, the State is making an investment in youth. It is of vital concern to the people of the State that its young people develop their talents and abilities to the fullest extent. Financial aid is offered to encourage you to work hard and to attain the very highest level of accomplishment of which you are capable, so that you as a member of society will be able to make your maximum contribution to the common welfare and progress. In return for their investment in you, the people of the State will hope to be paid rich dividends in cultural development, in economic productivity, and in civic leadership.

The Financial Assistance "Package"

If you will have a problem in meeting the costs of attending college, New York State offers a broad program of scholarships, grants, and loans:

Regents Scholarships. High school graduates who demonstrate superior academic ability may receive scholarships of up to $1,000 a year for attendance at a college or hospital nursing school in New York State.

Scholar Incentive Grants. All New York State residents in full-time study in a college or hospital or in a 2-year program in a registered private business school in New York State may receive direct grants of up to $600 a year to assist in meeting undergraduate tuition costs.

Regents Child-of-Veteran Grants. Children of veterans who died or who suffered a disability of 50 percent or more as a result of military service during specified periods of war will receive grants of up to $450 a year.

State University Scholarships. State University students with limited financial resources may receive additional awards from State University, up to the difference between the tuition charge and the scholar incentive award, so that there will be no out-of-pocket tuition cost.

Loans. Under the loan program administered by the New York State Higher Education Assistance Corporation, residents may receive loans of up to $1,500 a year for meeting costs of any post-secondary education, in or out of the State, full-time or part-time. The corporation guarantees bank loans for this purpose and pays all of the interest while the student is in college.

This booklet provides the information you will need concerning the requirements and application procedures for Regents scholarships, scholar incentive grants, and child-of-veteran grants. Read the booklet carefully. Take it home and discuss it with your parents. Keep it as a source of reference for answering questions that you or your parents may have as you make your college plans.

For information concerning loans and State University scholarships, you are advised to consult with your high school guidance counselor and with the financial assistance officer at the college to which you plan to apply for admission.

If the assistance provided by New York State is not sufficient to meet your special needs, the financial assistance officer at the college that you attend will probably be able to add to this financial assistance "package." For example, you may be eligible for a federal educational opportunity grant of up to $1,000 a year, or for a work-study job, or for a scholarship from college endowment funds.

Types of Regents Scholarships

Three different types of Regents scholarships are available to high school graduates. All Regents scholarships are awarded on the basis of score on the Regents Scholarship and College Qualification Test.

To be eligible to compete for any of these scholarships, you must be a citizen of the United States or have made application to become a citizen, or you must file a declaration of intent to make such application. You must also have been a legal resident of New York State for 1 year prior to the effective date of the scholarship award, and to continue to be entitled to the scholarship you must maintain residence in New York State. To qualify as a legal resident of New York State, you either must be a citizen of the United States or must have been admitted to the United States on a permanent immigration visa. In addition, you must be in attendance at an approved secondary school (not nec-

essarily in New York State) at the time of the examination, and you must be graduated by the end of the school year. Graduation must be within 6 years of enrollment in high school. Those who have previously written the Regents Scholarship and College Qualification Test are not eligible to compete again. Regents scholarships may not be used for professional study in theology.

If you have any questions about whether you meet these requirements, consult your principal or your counselor. In special cases, for reasons satisfactory to the Commissioner of Education, it may be possible to waive certain requirements. Accelerated pupils, for example, may be given the opportunity to take the examination after graduation. Similarly, pupils who because of serious illness or other special circumstances are unable to complete their high school course or to write the examination at the regular time may also be given special consideration.

Regents College Scholarship. This is a general college scholarship designed for high school graduates. There are now 18,843 of these scholarships awarded annually. The scholarships are awarded on a county basis, each county generally receiving a total number of scholarships proportional to the number of high school graduates in the county. In effect, therefore, there is a separate scholarship competition for students residing in each county of the State. Each scholarship carries an award of $250 to $1,000 a year, depending on financial need, for each year of study in a college or in a hospital nursing school in New York State and is valid for a maximum of 4 years, or 5 years if you enroll in a program that normally requires 5 years for completion.

Regents Scholarship for Basic Professional Education in Nursing. This scholarship is intended for men and women who plan to train to become registered professional nurses. There are 600 scholarships awarded annually on a county basis. As in the case of the Regents College Scholarship, there is a separate competition for students residing in each county. Each scholarship carries an award of $200 to $500 a year, depending on financial need, for each year of full-time study in a registered professional nursing course in a college or in a hospital school in New York State. Each scholarship is valid for 3, 4, or 5 years of study, depending on the normal length of the program in which you enroll.

Regents Scholarship in Cornell University. This is a scholarship for students who plan to attend Cornell University. A minimum of 57 such scholarships is awarded annually, at least one for students residing in each senatorial district of the State. These are tuition-reducing scholarships ranging from $100 to $1,000 a year, depending on financial need. The scholarship is valid for 4 or 5 years, depending on the length of the program for which you enroll at Cornell University. To receive a Cornell scholarship you must meet the requirements for admission to Cornell University, including the filing of a formal application for admission before the deadline date established by Cornell University.

How to apply for a Regents scholarship

1. **You may apply for more than one scholarship.** Depending upon your college plans, you may wish to be considered for several scholarships simultaneously. You may apply for as many scholarships as you may be eligible for. Some students may wish to apply for all three scholarships.

If you become entitled to a Regents College Scholarship and to a Regents Scholarship for Basic Professional Education in Nursing, you will automatically be assigned the Regents College Scholarship, which carries the more liberal benefits. No person may hold both of these scholarships, nor may a person hold one of these scholarships while also receiving educational assistance under a federal law (other than United States War Orphans Educational Assistance, GI benefits, or an educational opportunity grant).

However, you may hold the Regents Scholarship in Cornell University in combination with another Regents scholarship or federal award. Further, there is no restriction of any kind on concurrent use of Regents scholarships together with loans of any kind, work-study jobs, social security benefits, or college or private scholarships.

2. **File your Regents scholarship application with your high school principal.** Copies of the application form may be obtained from your high school principal in September. The scholarship application must be filed with your high school principal prior to the date of the examination. You need fill out only one application form for all three Regents scholarships. However, you must indicate clearly on the application each scholarship for which you wish to be considered. Should you, after your application has been filed, wish to make any change in the scholarships for which you wish to be considered, such change may be made upon request to the Regents Examination and Scholarship Center.

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It is especially important to note that you must be a bona fide resident of the county or the senatorial district in which you are competing. If you have more than one residence, you will compete in the county or senatorial district in which you reside while attending school. If you wish to compete in a county or senatorial district which is not the residence of your parents, or if your residence is in a county or senatorial district other than that within which you attend school, you should consult with your high school principal concerning the documentary proof of residence you may be required to file with your application.

3. **Apply directly to your college for admission.** Your application for a Regents scholarship does *not* constitute an application for admission to any college. Therefore, in addition to making application for the scholarships for which you are eligible, you should submit directly to the college of your choice the separate application for admission required by the college.

Nor will the fact that you win a Regents scholarship guarantee your admission to any particular college in New York State. Admission to a college will be determined by the faculty of that college and will depend upon the standards established for the program for which you apply, and the number of available places in that program.

Information concerning the form of the application and the date by which it must be submitted may be obtained from your school counselor or grade adviser or from the college admissions office. Students who apply for the Regents Scholarship in Cornell University should, of course, file with Cornell University the usual application form required of all persons who apply for admission to Cornell.

4. **Take the Regents Scholarship and College Qualification Test.** All candidates for Regents scholarships are required to take the Regents Scholarship and College Qualification Test. Separate lists of candidates for each scholarship and each geographic area of competition will be drawn up in rank order of score in the examination. The available scholarships will be awarded to the highest ranking candidates in each competition.

The examination is given annually, in October. Your Regents scholarship application will give you the exact date. If you attend a registered high school in New York State, you will take the examination during your senior year at your own high school. If you attend a nonregistered high school in New York State, or a high school in another state, your principal may make arrangements for you to take the examination at a registered high school in New York State. If you were not able to take the examination at the regularly scheduled date during your senior year because of illness, acceleration, or temporary residence outside the State, you may apply for permission to take the examination, following high school graduation, at a convenient high school in New York State on the regularly scheduled date the following year. If you are successful in the competition, you will receive scholarship benefits retroactive to the date on which you first began college study.

5. **You will be notified if you win a scholarship.** A report of the scores on the Regents Scholarship and College Qualification Test, and your tentative scholarship status, will be made to your school in December or early January. You will therefore have the opportunity to give full consideration to your Regents scholarship status before making final choice of college. The college, in turn, will have a better basis to estimate the financial resources of each student and to determine the amount of supplementary financial aid that may be necessary to help the student meet his total need.

The scholarship certificates will be mailed in February, after the eligibility of the tentative winners has been verified. However, for final approval of the Regents scholarship award, you must graduate by June and must enter in September an approved program of study in an approved college or school in New York State. In addition, you must achieve a score of at least 100 points in the Regents Scholarship and College Qualification Test (out of a maximum possible of 300 points). Should you fail to graduate as originally planned or be unable to enter promptly upon college study for exceptional reasons acceptable to the Commissioner of Education, every possible consideration will be given to protecting your scholarship privileges.

It is important to keep in mind that in order to maintain eligibility to receive a scholarship award you must enroll in an approved program in a college or school in New York State. **If at the time your name is reached for a scholarship award you have already matriculated at an institution outside New York State, or you have enrolled in a program for which the scholarship is not approved, the scholarship must be offered instead to the next ranking alternate.**

How financial need will be determined for Regents scholarship awards

The winners of Regents scholarship awards are selected solely on the basis of test scores, without regard

to family income. All scholarship winners receive a minimum monetary award, either $250 a year for the Regents college scholarship or $200 a year for the Regents nursing scholarship, again without regard to family income. To win a Regents scholarship and to receive this minimum monetary award, you do not have to submit a statement of family income.

The law provides, however, that students with limited financial resources may receive larger awards — up to a maximum of $1,000 a year for the Regents college scholarship and up to a maximum of $500 a year for the Regents nursing scholarship. To qualify for such larger award on the basis of financial need, you will be required to file a statement setting forth the net taxable balance of your income and the income of your parents or guardians, as reported in New York State income tax returns for the preceding calendar year.

If this net taxable balance does not exceed $1,800, you will be entitled to the maximum scholarship award for the year. If it does exceed $1,800, the scholarship award will be reduced from the maximum by $1 for every additional $10 in net taxable balance. (When more than one person in a family will be regularly attending full time in an approved school, the final income of parents used to determine the scholarship award may be divided by the number of such children.) In no case will the scholarship award be less than the minimum award indicated for that scholarship. The financial status of scholarship holders will be reviewed each year during the life of the scholarship and adjustments in award will be made each year in accordance with changes in financial status.

Note particularly that the scholarship award may not exceed the cost of tuition, or $350, whichever is greater. Thus, if your family net taxable balance is less than $1,800, your maximum entitlement under the Regents scholarship program would be $1,000 a year. You would receive this amount if you attend a college charging at least $1,000 a year in tuition. However, if you attend a college with a tuition charge of $550 a year, for example, you would receive a scholarship award of $550 a year, and if you attend a tuition-free college, you would receive a scholarship award of $350 a year.

In the case of the Regents Scholarship in Cornell University, the amount of tuition reduction will be determined by Cornell University, on the basis of the financial status of the scholarship holder as related to the cost of education at the college or subdivision of Cornell University attended by the scholarship holder.

Regents Child-of-Veteran Grant

Eligibility. You are eligible to receive a child-of-veteran grant if you are the child of a veteran who died as a result of military service during one of the periods specified below, or who has a current disability of 50 percent or more resulting from such service, or who had such disability at time of death. You must now be a legal resident of New York State. If your parent died as a result of military service, he must have been a legal resident of New York State either at time of entry into military service or at time of death. Otherwise, he must have been a legal resident at time of entry into military service.

Periods of Military Service:

a. April 16, 1917–November 11, 1918
b. December 7, 1941–December 31, 1946
c. June 25, 1950–July 27, 1953
d. Since October 1, 1961

Benefits. If you qualify for a Regents child-of-veteran grant, you may receive $450 a year for each of 4 years of full-time study in a college or in a hospital nursing school in New York State, or 5 years if the normal program of study is 5 years. This is a fixed annual award, independent of family income or tuition charge, and is in addition to any other Regents scholarship or federal award to which you may be entitled.

Application. To be considered for a Regents child-of-veteran grant, you must file a special application with the Regents Examination and Scholarship Center. This application can be obtained from your high school principal or counselor. It will be to your advantage to file this application as early as possible during your final year of high school study, so that you may make your college plans with full knowledge of the assistance you may expect to receive. Your high school principal or guidance counselor will advise you concerning the documentary evidence that you will be required to submit in order to establish your eligibility as the child of a deceased or disabled veteran.

Scholar Incentive Grants

Eligibility. To be eligible to receive a scholar incentive grant, you must be a full-time student enrolled in a program of study in New York State leading to an approved degree, diploma, or certificate in a college, or in a hospital nursing school, or in a 2-year program

in a registered private business school. Also, you must have been a resident of New York State for at least 1 year.

Amount of grant. The amount of the scholar incentive grant for each year will be based upon the net taxable balance of income, determined in the same manner as for a Regents scholarship. The maximum scholar incentive grant will be $600 a year for students with a family net taxable balance below $2,000 a year. Further information concerning the scale of awards will be provided in the student payment application that will be sent to you in June, as explained below.

Note particularly that the scholar incentive grant cannot exceed the amount by which the tuition for the year exceeds $200. Thus, if you attend a school which has a tuition charge of $550 a year, then your scholar incentive grant cannot exceed $350 a year, regardless of your income. If the tuition charge is less than $200 a year, you are not eligible for any scholar incentive assistance.

If you hold a Regents scholarship or if you receive a Regents child-of-veteran grant, and the combination of these grants does not already equal your tuition charge, you may receive an additional scholar incentive grant toward making up the balance of your tuition charge.

Similarly, if you receive benefits under a federal or other program that duplicates the purposes of the scholar incentive program, and these benefits do not already equal your tuition charge, you may receive additional scholar incentive assistance to make up the balance of your tuition charge. (But loans, work-study jobs, federal educational opportunity grants, GI benefits, U.S. War Orphan Assistance, or private awards do not affect scholar incentive grants in any way.)

Application. All students who write the Regents Scholarship and College Qualification Test will subsequently receive by mail, during the following June, a student payment application that will serve for both scholarship and scholar incentive assistance. If you wish to receive scholar incentive assistance for the fall college term following graduation, you must file this form with the Regents Examination and Scholarship Center, preferably before July 1, and in any case not later than the end of the college year for which you request payment. If you do not receive such application by mail by July 1, because of change of address or other reason, you should request an application directly from the Regents Examination and Scholarship Center.

If you graduate in January and begin college study before June, you should immediately upon graduation request and file an application for scholar incentive assistance, regardless of your status in the Regents scholarship competition. Similarly, if for some reason you have already begun college study in the fall prior to writing the Regents Scholarship and College Qualification Test, you should file a student payment application for scholar incentive assistance immediately upon beginning such college study. Scholar incentive assistance is paid only for current college study; it is not paid retroactively for study already completed.

It is your responsibility to submit a new application each school year in the manner and by the dates established by the Commissioner of Education. Failure to do this will mean loss of eligibility to receive scholar incentive assistance.

The Regents Scholarship and College Qualification Test

Who should apply for the examination. All high school seniors with college aspirations should apply for and take the Regents Scholarship and College Qualification Test. The examination will not only be the sole basis for awarding 19,500 Regents scholarships, but will also serve as the State University admissions test. Students who plan to attend one of the units of the State University should, therefore, definitely plan to take the Regents Scholarship and College Qualification Test.

What the examination will include. The examination will be given in two parts, morning and afternoon. Candidates for all scholarships must take both parts.

Part 1 is a test of general scholastic aptitude. It contains questions that are intended to measure your ability to think clearly and accurately. You will be required to demonstrate capacity to perceive relationships, to reason logically, and to solve problems. These questions will not be directly related to the subject matter of courses you have studied but will depend rather upon your general capacity to undertake college-level work successfully.

Part 2 is a test of subject matter achievement and is directly related to the courses you have studied in high school. To give you a general picture of the scope of the test, the subjects are indicated below, together with the approximate number of credits assigned to each:

Part 1: General scholastic aptitude.....150

Subtest

Same-opposite 30
Verbal analogy 40
Sentence completion 30
Arithmetic reasoning 50

Part 2: Subject matter achievement.....150

Subtest

English 40
Social studies 40
Art and music 10
Science (general science and biology) 30
Mathematics (through 10th-year mathematics)..30

Total 300

Although Part 2 of the examination will be based upon subjects studied in school, that does not mean that you may expect every question in Part 2 to cover something you have actually studied in class. The scholarship examination is designed to discriminate sharply among the very best students in our schools. There will, therefore, be questions intended to test your ability to think critically and to apply what you have learned.

The student with broad interests continually applies what he has learned and develops a keen understanding of the world about him — whether new developments in government and international relations, progress in science, or current trends in literature and the arts. The examination will attempt to measure the extent to which you have matured in this manner.

Some words of advice

1. The best method of preparing for the examination is to do your work in school conscientiously day by day. Intensive last-minute cramming for the scholarship examination will do you little good and is not recommended. Pay attention in class. Keep up with your assignments. You cannot hope to win a scholarship by being only a casual and indifferent student in school and then cramming hard the week before the examination. It will not be that kind of test. In addition, as a keen and alert citizen, keep abreast of significant developments — cultural, economic, and political.

2. At the examination, read the directions for each part carefully. If you skip over instructions or read them carelessly, you may overlook the main idea of an entire section of questions and thereby lose credit for all of it. Similarly, read each question carefully. Be sure you have clearly in mind exactly what is called for before you attempt to answer the question.

3. During the examination, budget your time so that you will be able to complete the examination in the time allowed. Although the test will stress accuracy more than speed, it will be important for you to work steadily. Answer the questions in order, but do not waste time over one or two questions which seem to be especially difficult for you. If you cannot decide on the answer you wish to make to a particular question within a reasonable time, skip that question for the time being and come back to it again when you have completed the examination.

4. Your score in the examination will be the number of questions you answer correctly. Therefore, answer every question to the best of your judgment. In answering questions about which you are not entirely sure, thoughtful consideration will often help you make a sound choice. If you complete the examination before time is called, it would be wise for you to go back and reconsider any questions about which you were not certain at first.

5. Do not become worried or discouraged if the examination seems difficult to you. The questions in the various fields will purposely be made difficult and searching so that the examination will discriminate effectively even among superior students. No one is expected to get a perfect or near-perfect score. There will be no established "passing" or "failing" grade. Scholarships in each competition will be awarded to those with the highest scores. Remember that if the examination seems difficult to you, it may be even more difficult for your neighbor.

6. A separate, electronically scorable answer sheet is used in the scholarship examination so that the many thousands of papers written each year can be scored quickly and accurately. Familiarize yourself beforehand with this type of answer sheet and with the procedure for marking it. Refer to the sample answer sheet at the back of this booklet.

7. A number of sample questions illustrative of the types of questions that are included in the scholarship examination are presented on the following pages to help you. Be sure to answer these sample questions for practice. Then check your answers with those given in the key on page 16. If you choose the wrong answer, go back to the question and analyze it until you know why a different answer is correct.

Sample Regents Scholarship and College Qualification Test Questions

General scholastic aptitude

Directions: Select the alternative that means the *same as* or the *opposite of* the word in heavy type.

1 **acquire**

1 judge
2 identify
3 surrender
4 educate
5 happen

2 **begrudge**

1 envy 3 annoy 5 punish
2 hate 4 obstruct

3 **obsolete**

1 fatal 3 distracting 5 broken
2 modern 4 untouched

4 **inflexible**

1 weak 3 harmless 5 secret
2 righteous 4 unyielding

5 **nominal**

1 just 3 cheerful 5 ceaseless
2 slight 4 familiar

6 **deft**

1 insane 3 skillful 5 humble
2 artificial 4 determined

7 **censure**

1 focus 3 baffle 5 praise
2 exclude 4 portray

8 **nebulous**

1 imaginary 3 distinct
2 spiritual 4 starry-eyed
5 unanswerable

9 **impart**

1 hasten 3 gamble
2 adjust 4 address
5 communicate

10 **terminate**

1 gain 3 harvest 5 paralyze
2 graduate 4 start

Directions: Select the word which, if inserted in the blank space, agrees most closely with the thought of the sentence.

11 Every good story is carefully contrived: the elements of the story are ... to fit with one another in order to make an effect on the reader.

1 read 3 emphasized 5 planned
2 learned 4 reduced

12 Their work was commemorative in character and consisted largely of ... erected upon the occasion of victories.

1 towers 3 monuments 5 fortresses
2 tombs 4 castles

13 Before criticizing the work of an artist one needs to ... the artist's purpose.

1 understand 3 defend 5 change
2 reveal 4 correct

14 Because in the administration it hath respect not to the group but to the ..., our form of government is called a democracy.

1 courts 3 majority 5 law
2 people 4 individual

15 Deductive reasoning is that form of reasoning in which the conclusion must necessarily follow if we accept the premise as true. In deduction, it is ... for the premise to be true and the conclusion false.

1 impossible 3 reasonable 5 unlikely
2 inevitable 4 surprising

16 Mathematics is the product of thought operating by means of ... for the purpose of expressing general laws.

1 reasoning 3 words 5 science
2 symbols 4 examples

17 No other man loses so much, so ..., so absolutely, as the beaten candidate for high public office.

1 bewilderingly 3 disgracefully
2 predictably 4 publicly
5 cheerfully

18 Many television watchers enjoy stories which contain violence. Consequently those television producers who are dominated by rating systems aim to ... the popular taste.

1 raise 3 gratify 5 lower
2 control 4 ignore

19 The latent period for the contractile response to direct stimulation of the muscle has quite another and shorter value, encompassing only a utilization period. Hence it is that the term *latent period* must be ... carefully each time that it is used.

1 checked 3 introduced 5 selected
2 timed 4 defined

20 A man who cannot win honor in his own . . . will have a very small chance of winning it from posterity.

1 right 3 country 5 age
2 field 4 way

Directions: Select the word that best completes the analogy.

21 **Albino** is to **color** as **traitor** is to

1 patriotism 3 socialism 5 liberalism
2 treachery 4 integration

22 **Senile** is to **infantile** as **supper** is to

1 snack 3 dinner 5 evening
2 breakfast 4 daytime

23 **Snow shovel** is to **sidewalk** as **eraser** is to

1 writing 3 paper 5 mistake
2 pencil 4 desk

24 **Lawyer** is to **court** as **soldier** is to

1 battle 3 training 5 discipline
2 victory 4 rifle

25 **Faucet** is to **water** as **mosquito** is to

1 swamp 3 cistern 5 malaria
2 butterfly 4 pond

26 **Astronomy** is to **geology** as **steeplejack** is to

1 mailman 3 pilot 5 skindiver
2 surgeon 4 miner

27 **Chimney** is to **smoke** as **guide** is to

1 snare 3 hunter 5 wild game
2 compass 4 firewood

28 **Prodigy** is to **ability** as **ocean** is to

1 water 3 ships 5 current
2 waves 4 icebergs

29 **War** is to **devastation** as **microbe** is to

1 peace 3 dog 5 pestilence
2 flea 4 germ

30 **Blueberry** is to **pea** as **sky** is to

1 storm 3 star 5 purity
2 world 4 grass

31 **Pour** is to **spill** as **lie** is to

1 deception 3 falsehood
2 misstatement 4 perjury
5 fraud

32 **Disparage** is to **despise** as **praise** is to

1 dislike 3 acclaim
2 adore 4 advocate
5 compliment

33 **Wall** is to **mortar** as **nation** is to

1 family 3 patriotism 5 boundaries
2 people 4 geography

34 **Servant** is to **butler** as **pain** is to

1 cramp 3 illness 5 anesthesia
2 hurt 4 itch

35 **Fan** is to **air** as **newspaper** is to

1 literature 3 information
2 reporter 4 subscription
5 reader

Directions: Select the alternative that best answers the question.

36 A set of papers is arranged and numbered from 1 to 49. If the paper numbered 3 is drawn first and every ninth paper thereafter, what will be the number of the last paper drawn?

(1) 45 (3) 47 (5) 49
(2) 46 (4) 48

37 Which quantity can be measured *exactly* from a tank of water by using only a 10-pint container and an 8-pint container?

(1) 1 pint (3) 3 pints (5) 5 pints
(2) 6 pints (4) 7 pints

38 The average of 3 numbers is 25. If one of the numbers is increased by 4, the average will remain unchanged if each of the other two numbers is reduced by

(1) 1 (3) $\frac{2}{3}$ (5) $1\frac{1}{3}$
(2) 2 (4) 4

39 If city R has more fires than city S, and city T has more fires than cities P and S combined, then the number of fires in

1 city P must be less than in city T
2 city T must be less than in city R
3 city T must be greater than in city R
4 city R must be greater than in city P
5 city S must be greater than in city T

40 Below are the first six rows of a triangular array constructed according to a fixed law. What number does the letter X represent?

```
                1
              1   1
            1   2   1
          1   3   3   1
        1   4   6   4   1
      1   5   10  X   5   1
```

(1) 8 (3) 15 (5) 5
(2) 10 (4) 20

41 If all A are C and no C are B, it necessarily follows that

(1) all B are C
(2) all B are A
(3) no A are B
(4) no C are A
(5) some B are A

42 What number is missing in the series 7, . . ., 63, 189?

(1) 9 (3) 19 (5) 24
(2) 11 (4) 21

43 A clock that gains one minute each hour is synchronized at noon with a clock that loses two minutes an hour. How many minutes apart will the minute hands of the two clocks be at midnight?

(1) 0 (3) 14 (5) 30
(2) 12 (4) 24

44 The pages of a typewritten report are numbered by hand from 1 to 100. How many times will it be necessary to write the numeral 5?

(1) 10 (3) 12 (5) 20
(2) 11 (4) 19

45 The number 6 is called a "perfect" number because it is the sum of all its integral divisors except itself. Another "perfect" number is

(1) 12 (3) 24 (5) 36
(2) 16 (4) 28

General Achievement

Directions: Select the word or phrase that is closest in meaning to the word in heavy black type.

46 **cumulative**

1 additive 3 cumbersome
2 clumsy 4 incorrect
5 secretive

47 **epigram**

1 chemical term 3 outer skin
2 exclamation 4 pithy saying
5 tombstone

48 **avid**

1 eager 3 indifferent 5 potent
2 glowing 4 lax

Directions: In each group of five words, select the one that is *misspelled*.

49 1 collaborator
2 gaudey
3 habilitation
4 logician
5 suavity

50 1 adversary
2 beneficiary
3 cemetery
4 desultory
5 estuery

Directions: In each group of five sentences, select the one which is *incorrect*.

51 1 All things considered, he did unusually well.
2 The poor boy takes everything too seriously.
3 Our club sent two delegates, Ruth and I, to Oswego.
4 I like him better than her.
5 His eccentricities continually made good newspaper copy.

52 1 Between you and me, I think Henry is wrong.
2 This is the more interesting of the two books.
3 This is the most carefully written letter of all.
4 During the opening course I read not only four plays but also three historical novels.
5 This assortment of candies, nuts, and fruits are excellent.

Directions: Select the alternative that best answers the question.

53 A handkerchief is a major "prop" in

1 *Hamlet*
2 *Julius Caesar*
3 *Macbeth*
4 *Othello*
5 *The Merchant of Venice*

54 Which writer is correctly described?

1 Archibald MacLeish — poet; former Librarian of Congress
2 E. E. Cummings — novelist; editor of *The Atlantic Monthly*
3 John Milton — poet; member of Parliament under Charles I
4 Stephen Crane — novelist; author of historical romances
5 William Butler Yeats — poet; a founder of the Drury Lane Theatre

55 The small dipper seems to turn about the North Star once each day because

1 all stars move in great circles on the celestial sphere
2 the earth turns on its axis
3 the North Star is the last star in the handle of the dipper
4 the planets revolve around the sun
5 the solar system rotates about a fixed star

56 **Respiration** is to **carbon dioxide** as **photosynthesis** is to

1 carbon dioxide
2 chlorophyll
3 oxygen
4 starch
5 sunlight

57 A yellow tulip viewed through a piece of blue glass looks

1 black
2 white
3 yellow
4 blue
5 green

58 The abolition of slavery in the United States was contemporary with the

1 emancipation of slaves in the British Empire
2 founding of Liberia as a home for Negro settlers
3 freeing of the serfs in Russia
4 limitation of slavery in Brazil
5 uprisings of the peasants in France

59 Which group of countries is entirely behind the "iron curtain"?

1 Austria, Albania, Czechoslovakia
2 Austria, Hungary, Czechoslovakia
3 Estonia, Finland, Poland
4 Rumania, Yugoslavia, Bulgaria
5 Rumania, Poland, Hungary

60 If (x) is a symbol that represents an algebraic expression in x, then $f(a)$ is the value of the same expression when a is substituted for x.

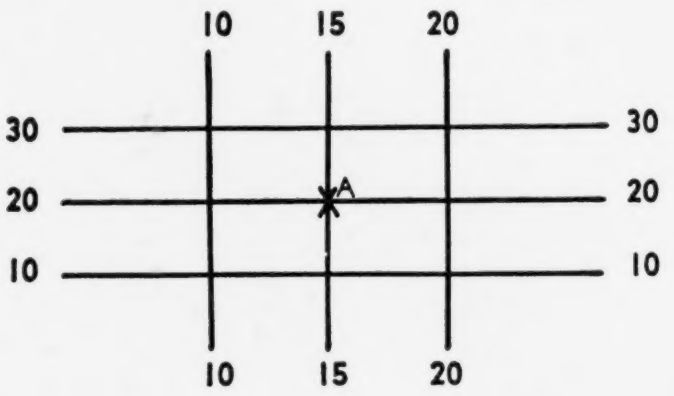
If $f(x) = \dfrac{2x^2 - x}{x + 6}$, then $f(-5)$ equals

(1) 55
(2) 45
(3) -25
(4) -5
(5) 5

61 The type of society that existed in Japan before it was opened to the rest of the world may best be described as

1 communistic
2 uncivilized
3 socialistic
4 fascist
5 feudal

62 What is the latitude of point A on the following map scale?



(1) 15° east
(2) 20° east
(3) 15° north
(4) 20° north
(5) 20° south

63 The shorter leg of a right triangle is 6 and the median to the hypotenuse is 5. How long is the other leg of the triangle?

(1) 6
(2) $6\sqrt{5}$
(3) $6\sqrt{3}$
(4) 8
(5) 10

64 The width of the ring (shaded portion of the figure) is exactly equal to the radius of the inner circle. What percent of the entire area is the area of the shaded portion?

(1) 25%
(2) 50%
(3) $66\frac{2}{3}\%$
(4) 75%
(5) 80%

65 Which type of architecture makes extensive use of the flying buttress?

1 Egyptian
2 Gothic
3 Greek
4 Renaissance
5 Romanesque

66 A painting or drawing in a single hue is called a

1 lithograph
2 mezzotint
3 monochrome
4 monoprint
5 monotype

67 Famous incidental music for Shakespeare's *A Midsummer Night's Dream* was written by

1 Donizetti
2 Dvorák
3 Grétry
4 Mendelssohn
5 Offenbach

68 In music, a suite is

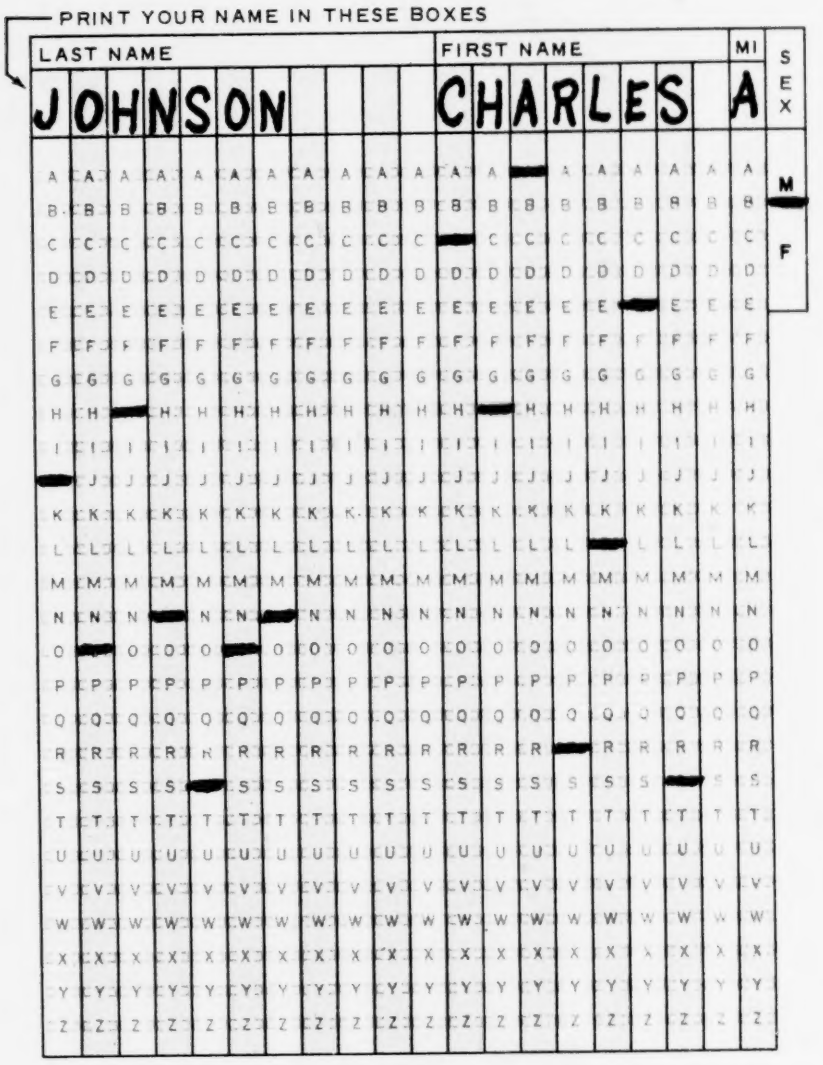
1 a ballad
2 a musical instrument
3 a sacred song
4 a set of dances
5 an operetta

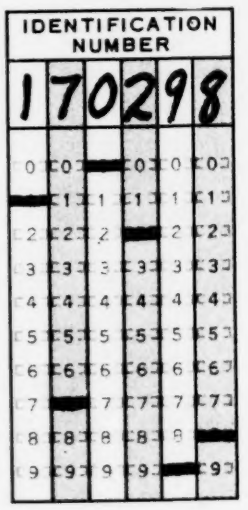
Directions for marking the answer sheets

When you take the examination, you must use an ordinary lead pencil, number 2 or softer. Blue pencil, ink, or a ballpoint pen will *not* make scorable marks. Pencil must be used for marking the grids for identification number, name, and sex as well as for marking answers to the questions.

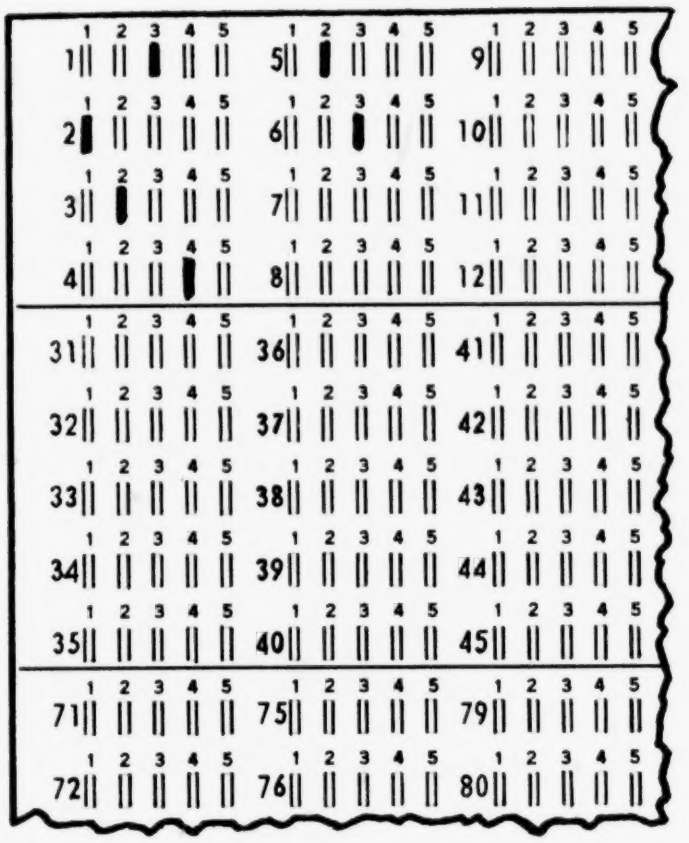
Completing the grids: You will receive a separate answer sheet for each of the two parts of the examination. The answer sheets contain grids for your identification number, name, and sex. These grids will enable the machine which scores your paper to "read" this information and print it beside your score. Sample grids, which have been correctly filled in, are printed here. The steps in filling in the grids are:

1. In the boxes under the words "Last Name," print as much of your last name as possible, one letter to a box.
   Do not go beyond eleven boxes, even if you cannot get all of your last name in. Next, starting under the words "First Name," print as much of your first name as possible, one letter to a box. Then, enter your middle initial in the box under "MI."
2. Blacken the small rectangle in each column which corresponds to the letter in the box at the top of that column.
3. In the grid under the word "Sex," blacken the rectangle marked "M" if you are male or "F" if you are female.
4. Copy your identification number in the six boxes under the words "Identification Number," one number to a box. You will find your identification number on the portion of your application which you will retain and bring to the examination. After the examination, be sure to keep this number on file for your future reference.
5. Blacken the small rectangle in each column which corresponds to the number in the box at the top of that column. Note that zeros are treated as numbers.
   Make your marks heavy and black and completely fill the rectangle without going outside it.





Marking your answers: For each question, you are to blacken with an ordinary lead pencil, number 2 or softer, the space that corresponds to the number of the alternative you have selected as the right answer. The answers to the first few sample questions have been marked on the sample answer sheet to illustrate the correct procedure. Make your marks heavy and black and completely fill the rectangle without going outside it. If you wish to change your answer, erase your first mark completely. Mark only one answer for each question. Make no stray marks or dots of any sort on the answer sheet; they may count against you.



Answers to sample questions

1—3	13—1	25—5	36—4	47—4	58—3
2—1	14—4	26—4	37—2	48—1	59—5
3—2	15—1	27—3	38—2	49—2	60—1
4—4	16—2	28—1	39—1	50—5	61—5
5—2	17—4	29—5	40—2	51—3	62—4
6—3	18—3	30—4	41—3	52—5	63—4
7—5	19—4	31—2	42—4	53—4	64—4
8—3	20—5	32—2	43—4	54—1	65—2
9—5	21—1	33—3	44—5	55—2	66—3
10—4	22—2	34—1	45—4	56—3	67—4
11—5	23—3	35—3	46—1	57—1	68—4
12—3	24—1				

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